



SEQUENCE LISTING

<110> Japan as Represented by Director General of Okazaki National Research

Institutes

<120> Nav2 channel gene-deficient non-human animals

<130> U2001P059

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<150> JP 2000/237320

<151> 2000-08-04

<150> JP 2000/241637

<151> 2000-08-09

<150> JP 2001/222263

<151> 2001-07-23

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<170> PatentIn Ver. 2.1

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Ala Glu Met Glu Thr Thr Gln Ile Glu Met Lys Lys Arg Ser Pro Thr			
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tct ata aac acc aca ctg gat ata ctg gaa gac act acc ctc gga cac	1634		
Ser Ile Asn Thr Thr Leu Asp Ile Leu Glu Asp Thr Thr Leu Gly His			
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 Ser Ser Leu Met Ala Leu Lys Asp Leu Val Leu Leu Leu Cys Ile Phe
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 Lys Asp Cys Val Cys His Ile Lys Glu Asp Cys Gln Pro Gln Arg Trp
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 His Met Ser Asp Phe Leu His Ala Tyr Met Thr Val Phe Arg Ile Leu
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Gln Ala Trp Cys Ile Pro Phe Tyr Met Met Val Ile Leu Ile Gly Asn

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Leu-Leu Ile Leu Tyr Leu Phe Val Thr Leu Val Ser Ser Phe Ser Tyr

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Tyr Asp Ala Thr Ser Glu Val Asn Lys Glu Ala Lys Asn Leu Gln Leu

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Asp Pro Ser Val Lys Glu Asn Ile Ser Gly His Thr Leu Ser Glu Leu

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ccc agt gcc tct gaa act gtg ccg att gct tca gga gaa tct gat ala			2786
Pro Ser Ala Ser Glu Thr Val Pro Ile Ala Ser Gly Glu Ser Asp Ile			
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Glu Asn Leu Asp Asn Lys Glu Thr Arg Ser Lys Ser Gly Asn Gly Gly			
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Ser Lys Glu Lys Met Lys Gln Ser Ser Ser Ser Glu Cys Ser Thr Val			
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Ile Ser Arg Glu Ser Arg Asn Gly Lys Ile Trp Lys Asn Ile Arg Lys			
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Gln Met Glu Thr Ala Ile Phe Trp Met Asn Ser Ile Phe Val Met Leu			
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Lys Asn Val Ser Asp Thr Pro Ala Ile Asp Asp Arg Arg Asp Asp Leu

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Gln Thr Gln Ile

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Lys Arg Leu Pro Ile Pro Tyr Gly Thr Leu Pro Arg Gly Thr Val Ser
50 55 60
Glu Pro Leu Glu Asp Val Asp Pro Tyr Tyr Tyr Val Lys Arg Asn Thr
65 70 75 80
Phe Met Val Leu Asn Arg Ser Arg Val Ile Phe Arg Phe Asn Ala Val
85 90 95
Ser Ile Phe Cys Thr Leu Ser Pro Leu Asn Ser Leu Arg Arg Ala Ala
100 105 110
Ile Lys Ala Leu Val His Pro Leu Phe Arg Leu Leu Ile Leu Ile Ser
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Ile Arg Thr Phe Arg Ile Leu Lys Ile Ile Pro Leu Asn His Gly Leu
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 Gln Ser Ile Val Met Thr Leu Ala Gln Cys Leu Lys Lys Leu Phe Gly
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Asp Phe Leu His Ala Tyr Met Thr Val Phe Arg Ile Leu Cys Gly Glu

675

680

685

Trp Ile Glu Thr Leu Trp Glu Cys Met Glu Val Ala Gly Gln Ala Trp

690

695

700

Cys Ile Pro Phe Tyr Met Met Val Ile Leu Ile Gly Asn Leu Leu Ile

705

710

715

720

Leu Tyr Leu Phe Val Thr Leu Val Ser Ser Phe Ser Tyr Tyr Asp Ala

725

730

735

Thr Ser Glu Val Asn Lys Glu Ala Lys Asn Leu Gln Leu Ala Met Ala

740

745

750

Arg Ile Lys Ser Gly Ile Asn Ser Met Leu Leu Lys Leu Met Cys Thr

755

760

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775

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Val Lys Glu Asn Ile Ser Gly His Thr Leu Ser Glu Leu Ser Asn Thr

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795

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805

810

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Pro Val Thr Glu Ser Glu Ser Gln Ser Leu Ile Ala Ser Pro Ser Ala

820

825

830

Ser Glu Thr Val Pro Ile Ala Ser Gly Glu Ser Asp Ile Glu Asn Leu

835

840

845

Asp Asn Lys Glu Thr Arg Ser Lys Ser Gly Asn Gly Gly Ser Lys Glu

850

855

860

Lys Met Lys Gln Ser Ser Ser Ser Glu Cys Ser Thr Val Asp Ile Ala

865

870

875

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Ile Ser Glu Glu Glu Glu Met Val Tyr Glu His Glu Lys Ser Lys Leu

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His Lys Asn Gly Tyr Glu Arg Lys Ser Ser Thr Gly Gln Ile Ser Arg

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1610

1615

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1620

1625

1630

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1635

1640

1645

Ser Asp Thr Pro Ala Ile Asp Asp Arg Arg Asp Asp Leu Thr Ser Lys

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